

carrying a vulcanized tire from the tire mold assembly and a carrying-in device for carrying an unvulcanized tire to the tire mold assembly; and

a transfer station for transferring the tire mold assembly between a selected stage of the placing parts of the housing shelf and the placing part of the opening and closing station by a rotating action of the transfer station and a rising and falling action of the transfer station along the housing shelf of the vulcanizing station.

2. (Twice Amended) A tire vulcanizing equipment comprising:

B1 a vulcanizing station having a housing shelf vertically having plural stages of placing parts for placing tire mold assemblies movable in closed state, which have pipings for supplying and discharging a vulcanizing/heating medium to the tire mold assemblies placed thereon;

an opening and closing station having a placing part for placing a tire mold assembly, an opening and closing device for opening and closing the tire mold assembly placed on the placing part of the opening and closing station, a carrying-out device for carrying a vulcanized tire from the tire mold assembly and a carrying-in device for carrying a unvulcanized tire to the tire mold assembly, the opening and closing station being connected to a carrying-out line of vulcanized tires to a following step and a carrying-in line of unvulcanized tires; and

a transfer station for transferring the tire mold assembly between the placing part of a selected stage of the housing shelf and the placing part of the opening and closing station by a rotating action of the transfer station and a rising and falling action of the transfer station along the housing shelf of the vulcanizing station.

B2 9. (Amended) A tire vulcanizing equipment according to claim 8, wherein

B2 the transfer station has a rotating transfer device comprising a second delivering mechanism for delivering the tire mold assembly, a placing part for placing the tire mold assembly received by the second delivering mechanism, and a turntable rotatable so as to set the guide direction of the tire mold assembly by the second delivering mechanism to a desired placing part direction.

15. (Twice Amended) A tire vulcanizing equipment comprising:
a vulcanizing station having a housing shelf having plural stages of placing parts for placing tire mold assemblies movable in a closed state, which have pipings for supplying and discharging a vulcanizing/heating medium to the tire mold assemblies placed thereon;
an opening and closing station having a placing part for placing the tire mold assembly, an opening and closing device for opening and closing the tire mold assembly placed on the placing part of said opening and closing station, a carrying-out device for carrying a vulcanized tire from the tire mold assembly, and a carrying-in device for carrying a unvulcanized tire to the tire mold assembly, the opening and closing station being connected to a carrying-out line of vulcanized tires to a following step and a carrying-in line of unvulcanized tires; and
a transfer station for performing the transfer of the tire mold assembly between a selected stage of the placing parts of the housing shelf and the placing part of the opening and closing station by a rotating action of the transfer station and a rising and falling action of the transfer station along the housing shelf of the vulcanizing station.
